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TECH NEWS



VOL. XXVIII

WORCESTER, MASS., NOVEMBER 17, 1936

No. 7

Tech Crushes Rensselaer As Thrilling Climax to Best Campaign in Recent Years

**Loss of Only Three Seniors
Leaves Bright Future
For Next Year**

BOOTERS PLAY WELL

**Soccer Team Turns In Impres-
sive Record With Three
Wins and Two Defeats**

With football prospects for 1937 better than they have been in many years Tech can look back on this season as another step toward an unbeaten season. Tech won two, tied one, and lost three, a record better than any of the last four years.

The Coast Guard Academy held Tech to a scoreless tie in the season's first game due principally to our lack of punch and drive when the going got tough near their goal.

This lack of punch was evident in the second game of the season when Tech bowed before Trinity 14-0, after out-rushing and out-punting their opponents. Forkey's punting and Stone's fine all-around work at end were the highlights of the game.

The team improved greatly and held Connecticut State for three quarters only to bow in the last four minutes of play and lose 19-6. At the half Tech lead 6-0, but Conn. State scored in the third to tie it up. Highlights were Forkey's averaging 48 yards on his kicks when most major colleges prided themselves on 35 yard averages, the rain and mud, and Thompson's 95 yard touchdown run.

Capitalizing on a fumble Tech beat Massachusetts State 7-0 in the fourth game of the season. It was Townsley who recovered the fumble which led to the touchdown. It was a hard fought game with both sides evenly matched.

Rhode Island's second half strength proved too much for Tech. After a scoreless first half State ran over 19 points to win 19-0. The team was greatly handicapped by the absence of Elliot, Tech's best blocking back.

Tech hit top form in their last game when they piled up 25 points to beat Rensselaer Polytech 25-0 before the Home-coming Day crowd. It was a great game with every member of the team playing in top form. The game marked the last appearance on a Tech football field of Bill Frawley, Harold Townsley and Harold I. Johnson Jr. All three played over three quarters and turned in excellent performances.

In soccer Tech's team fared better winning three and losing two, with the Conn. State game called because of rain.

We lost to Mass. State 7-4, and to Wesleyan 6-4. After the Wesleyan game the team buckled down and won three straight. New Bedford Textile was the first victim. Tech, playing strongly throughout the game beat Textile five goals to one.

Dave McEwan scored 4 goals in the fourth game of the season to lead Tech to 4-2 triumph over Tufts. Walter Holt was injured during the first period and was forced to leave the game. Tech lost a dependable forward in Holt's injury.

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A.S.M.E. Hears McClain Speak On Test Flying

**Airplane Pilot From Pratt
And Whitney Addresses
Large Audience**

A. L. McClain, chief test pilot for the Pratt and Whitney Aircraft Corporation, spoke on the subject, "Test Flying of Airplane Power Plants", at the first combined meeting of the student branch and the Worcester local branch of the American Society of Mechanical Engineers, which was held in the commons room of the Sanford Riley Hall, Monday evening, Nov. 9. A supper preceded the program.

Mr. McClain is not a test pilot for the airplanes but rather for the new engines and any new developments in the engine line which his concern is interested in. The engines are tested with the new parts first on a test block and are then put into one of three airplanes which Pratt and Whitney own. It is then Mr. McClain's job to test fly these airplanes to determine the value of the improvement.

Pratt and Whitney had its beginning, said Mr. McClain, when the U. S. Navy wanted a new airplane engine and the only manufacturer of engines then, the Wright Aeronautical Corporation, was too busy. A group of men decided to take a chance and started a new concern. They succeeded and the result is the present Pratt and Whitney plant at East Hartford. This plant is completely equipped for the designing, building and testing of any new part or development for the airplane engine.

Continuing, Mr. McClain described the stages that a new part of an engine would have to go through before it could be accepted and installed on their regular production scheduled engine. A part is first designed in the drafting and designing room. The blue prints are then sent to the machine shop where the part is built and machined to fit one of the thirty or forty engines which are mounted on test blocks in one room. It is installed on the engine and then run for about thirty hours. The engine is then taken apart to determine if any defects are evident. If there are none, the engine is reassembled and ran for 500 hours or till the part fails. The new part has to stand up under 500 hours of running which however is not continuous.

Finally when the part is satisfactory on the test block, it is put into an engine and the engine installed in one of the airplanes. The last test for the part is of course in flight. This is Mr. McClain's job. He takes the 'plane up for a short flight to take the "kinks" out, and then the engine is looked over. If nothing has developed, the airplane is flown over a trial course four or five times and readings taken from the instruments. As many as 64 readings have to be taken in the matter of 35 seconds that it takes to cover a two

(Continued on Page 2, Col. 3)

Twenty-first Annual Tech Carnival In Alumni Gym Saturday, Nov. 21

**Presentation of Faculty, Sophomore and
Freshman Skits Promises To Be
Feature of Entertainment**

BOYNTONIANS TO PLAY FOR DANCING

**Entire Affair To Be Sponsored by Student Christian Association
With Robert B. Abbe as Chairman**

BOYNTON'S BEACON
Contributors' Column



To Editor of TECH NEWS:

The several issues of "TECH NEWS" have been received and noted with considerable interest. It is apparent your associates are well-selected for the NEWS is pleasing in appearance and composition.

E. W. C., New York, City.

I MAY BE WRONG

Washington, D. C.: The election is over. To many persons its conclusion is a sad event indeed. Newspaper men, for example, will be faced again with the necessity of going out and hunting up some news that does not bear upon events of such world-wide importance as the opinion of Congressman Sniff-litch on how his state will vote or upon the type of breakfast food that the candidates "were alleged" to have preferred. To anxious and hungry Republicans it means at least four more years in the wilderness, but it may bring to the long-suffering elephant riders the painful realization that if they are ever to regain the promised land, a new Moses is desperately demanded.

To others, though, the election results are a cause for great celebration. From the bankers in J. P. Morgan and Co. who supported Roosevelt to the lowest member of the United Mine Workers, the word has gone forth that everyone shall prosper. There is one group in particular to whom the election returns are particularly pleasing, and it is to the members of this group who are especially prominent here in Washington, that this little take-off on Lewis Carroll's "Jabberwocky" is fondly dedicated.

'Twas '36 and the Farleyers

Were by the Government nicely paid;
All happy were these job-holders,
And the Donkey loudly brayed.

"Beware election day, our son!

When votes are cast, and you are
Cursed!

Beware the elephant and shun

The frumious press of Hearst!"

He took his microphone in hand:

Long time the hostile foe he sought.
So rested he by the Farley tree,
And stood awhile in thought.

(Continued on Page 2, Col. 2)

The twenty-first annual Tech Carnival will be presented this year on Saturday evening, November 21st, at 8:00 P. M. As usual, it will be sponsored by the W. P. I. Student Christian Association, and this year the Association expects to surpass all previous efforts at giving the students, faculty, and friends a long-remembered evening. The evening's festivities will be conducted in Alumni Gymnasium, under the able direction of Robert Abbe, who will be glad to admit all men and boys for the small sum of fifty cents. The price for women will be twenty-five cents, so you can see that bringing the girl-friend will be well worth while.

The high-lights of the Carnival will include music by the Boyntonians, skits by the Faculty, Sophomores, and Freshmen, selections by the band, booths conducted by the fraternities, the sale of candy and many other special attractions.

The Boyntonians will be on hand to furnish some of their smooth rhythm for dancing from ten until midnight. From the opening of the Carnival until ten, the Band will supplement the Carnival atmosphere with selections between the acts.

The Faculty act will be rare this year. As related by one of their number: "Once again the Faculty doff their professorial robes to indulge in a little nonsense. As usual, the script and rehearsals are being carefully guarded to further the suspense. The twenty minutes of idiotic antics will be furnished by the following members of the cast: Prof. F. J. Adams, Prof. H. A. Maxfield, Prof. L. L. Atwood, Prof. H. J. Gay, Mr. J. B. Chamberlain, Mr. D. G. Downing, Mr. E. R. Spaulding, Mr. R. T. Young, Mr. B. L. Wellman, and Mrs. A. M. Tarbox.

"What is the play about? You will get your first clue when you see the program. If you do not recognize familiar names, you certainly will not fail to recognize the familiar characters when the curtains part." Mr. Wellman is the chairman and author of the drama.

The Sophomore Act will be a departure from the usual "Tech-theme" which has in the past been the basis for most of the undergraduates shows. The members of the committee feel that a change from this type will be welcomed by the majority of Tech students, due to the fact that every conceivable angle of Tech life has been used in the past, and presentations of this nature have become rather hackneyed. The Sophs have been rehearsing for the past week and expect to have the show in line for a smooth performance by Carnival time.

As a highlight of the Act, a rather

complicated and thoroughly scientific invention will be presented to the public for the first time. Those presenting this include: C. Keyser, W. Keating, B. Ordway, K. McKeeman, J. Alcock, B. Pykes, J. Lancaster, and R. Martin. They will present the show along dramatic rather than comedy lines, and will demonstrate a murder committed with weapons as yet unheard of in the world. This calls for some expert sleuthing, and the manner in which the mystery is left unsolved will amaze the audience.

The Freshman Act is entitled "Early American Justice." It will be a humorous sketch, a take-off on a country courtroom. The play is completely original and the characters are entirely fictitious. It is the hope of those in charge that the play will be as successful as the preliminary try-outs indicate. The introduction of an animal as a member of the cast is one of the features. The Freshmen are confident that the 1936 play will far surpass previous plays and will win the Cup for them. John Manchester is chairman of the players, and the play was written by William Patterson.

The last two acts will be judged by some members of the Faculty, and the winner will be awarded the Carnival Cup.

The candy to be sold was solicited from the Faculty wives by Miss Gertrude Rugg. It was made by the women and packed by the office staff. This will be one of the treats of the evening.

Tickets are on sale now from men in every fraternity house and the dormitory. Members of the committee and Professor Swan will also make tickets available at the latter's office. So don't forget Saturday night—bring your friends—your folks—a girl—or come alone, but don't miss the fun!

Tau Beta Pi Gives Short History of Its Founding

Begun at Lehigh University

The first chapter of Tau Beta Pi was established by Prof. Edward A. Williams, Jr. at Lehigh University in 1885. The association was first formed because of the reluctance of Phi Beta Kappa to accept technical men for membership. It was definitely decided at the time the organization was formed that high standing should not be the sole criterion for membership, but that due consideration must be given to the man's character, honesty, dependability, integrity, and unselfish activity. This is unlike several organizations which consider scholastic standing only. This first chapter of Tau Beta Pi existed alone until a chapter was formed at Michigan State College in

(Continued on Page 3, Col. 1)

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— editorials —

The following editorial is an exact reprint of an editorial which appeared in the NEWS on January 14, 1936. The NEWS, voicing the opinion of the student body, feels that the matter should once again be called to the attention of the faculty.

TIME AND A HALF FOR OVERTIME

In industry those who are paid by time usually get 150% pay for the amount that they are kept over their allotted time. That means that extra time is worth 50% more than standard time. According to this theory, if an instructor keeps his class five minutes overtime for seven periods the entire class is entitled to one excused cut.

Now this shouldn't be taken literally, but it does have a moral. Students appreciate those ten minutes between periods because it gives them a little relaxation from lecture courses; it gives them a few minutes for a smoke and a chat; it helps them to concentrate in the class that follows.

It seems to be a custom of some of the Tech instructors to keep their classes late in order to explain a last minute detail. They wait until the passing bell before thinking anything about the time, and even then, knowing how far away the next class is, keep their classes just as long as possible. It is granted that in doing so they sometimes give an explanation which will make clear the whole assignment; on the other hand, why couldn't these things be taken care of during the period? Perhaps five minute warning bells should be rung or clocks installed in each room. Whatever the remedy, it should be carried out. These complaints, heard from all sides, are especially heard from the seniors, those who have the shortest time left to enjoy the society of their classmates.

Perhaps these things will be taken care of in the future; let's hope so, because if they are not, efficiency will be cut down, and the general character of Tech graduates will be lowered.

Boynnton's Beacon

(Continued from Page 1, Col. 3)

And as in Tugwell thought he stood,
The elephant with eyes of flame,
Came knocking through the Dupont
wood
And bumbled as it came!

"My friends, my friends," Right through
the end
The radio voice went matter-of-fact!
He left it dead, and with its head
He went gallumphing back.

"And hast thou slain the elephant?
Come to our arms, our beamish boy!
A four-year stay! Callooh! Callay!"
They chortled in their joy.

'Twas '36, and the Farleys
Were by the Government nicely paid;
All happy were these job-holders,
And the Donkey loudly brayed.

N. S. F. A. Syndicate Features.

Student Branch of A.I.E.E. To Meet Friday Evening Address to be on Rate Structure

The second meeting of the Student Branch of the A. I. E. E. will be held Friday evening, November 20, 1936, in the lounge of Sanford Riley Hall at seven-thirty. The speaker of the evening will be Mr. Thomas G. Dignan. The title of his address is, "Rate Structures." Mr. Dignan is Vice President and General Manager of the Worcester Electric Light Company, and is an authority on rate structures in the utilities field.

The speaker was selected so that students might obtain an insight into some of the financial problems upon which the Electrical professions are dependent. Furthermore this is a subject with which Electrical students must be familiar if they go into the utilities field. It is hoped that the meeting will have as large an attendance as the first one and those who are interested are cordially invited to attend.

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Departmental Notes

PHYSICS DEPT.

At the Physics Colloquium, Tuesday Nov. 3, Dr. Ewell gave an account of the Anniversary Meeting of the Founder Society of the American Institute of Physics held in New York, Oct. 29-31. One of the principal papers was "Let the Physicist Change Your Oil" by Paul D. Foote, director of the Gulf Research Laboratories. His paper was based in part upon the formulae relating the viscosity which were worked out and published by Dr. Duff several years ago.

Professor Lawton discussed the construction and uses of Cuprous-oxide and Copper Rectifier Cells at the Physics Colloquium of Tuesday, Nov. 10. Dr. Duff will speak at the coming Colloquium, Nov. 17, on "The Effect of Electric Fields on Viscosity."

The work of Dr. Beth on the angular momentum of circularly polarized light appeared in published form in a recent issue of the "Physical Review." This is an account of three years work here and at the Palmer Laboratory, Princeton University, where Dr. Beth was on leave of absence in 1934-35. The effect is extremely small, requiring great skill in experimental technique.

CHEM. DEPT.

The Skeptical Chymists will hold a meeting on Tuesday, Nov. 17, at 7:45 in the Salisbury Laboratories, with three student speakers. S. S. Naistat, '37, will speak on "Vitamins." Z. Burzycki, '38, will discuss "Color Photography," illustrating his talk with slides and examples. R. W. Trottier, '39, will talk on "The Analysis and Purification of Water."

Mr. Casler will speak at the Seminar which will be held on Wednesday, Nov. 18, at 4:15. His subject will be "Alcohol Gasoline Blends."

The paper of Professor Feldman and W. G. Dahlstrom, Jr., '36, entitled "Freezing Points of the Ternary System Glycerol-Methanol-Water" was published in the November issue of Industrial and Engineering Chemistry.

E. E. DEPT.

The student branch of the A. I. E. E. will have a meeting on Friday, Nov. 20, with Mr. Dignan of the Worcester Electric Light Company as speaker.

A.S.M.E. Talk

(Continued from Page 1, Col. 2)
mile course. If the part successfully passes this last rigid inspection and testing, it is ready for production and use commercially.

The theory of the air speed indicator, the altimeter and thermocouples, for determining temperature in various parts of the airplanes, were explained by Mr. McClain. He showed a stop watch that was accurate to the hundredth part of a second and an altimeter that would show a change of only fifteen feet, in altitude.

Many interesting facts were brought into the talk a few of which follow: Mr. McClain received his worst frost bite in the middle of August at a very high altitude. A supercharger on an engine may have to turn over as many as 12 times as fast as the engine. If the engine turns over at 2400 R. P. M., the supercharger is turning over at 26,800 R. P. M. It takes a real piece of engineering to design one so that it will not fly to pieces at this speed. From an airplane 15,000 feet over Hartford, the pilot can see New York City, as far out to sea as Nantucket, up into Vermont and New Hampshire and clear across Massachusetts into New York State.

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Prof. Allen To Receive Award From A.S.M.E.

Worcester Reed Warner
Medal Will Be Presented
In December

Professor Charles M. Allen is to be presented with the "Worcester Reed Warner Medal" by the national A. S. M. E. at their Annual Meeting in the Auditorium of the Engineering Societies Building in New York on December 1. The announcement was made in the November issue of "Mechanical Engineering." It is interesting to note that Leon P. Alfred, '96, who received his M. E. from the Institute in 1905, and a D. Eng. in 1932, is on the Board of Honors of the A. S. M. E. He is also a member of Xi.

Professor Allen is past president of the Boston Society of Civil Engineers and in 1933 was the vice-president of the national A. S. M. E. At the same meeting in December, Henry Ford will be presented with "The Holley Medal."

Cosmopolitan Club Addressed By Dean Coombs

Speaks Before Dinner Given
For Students and Mem-
bers of Faculty

On the evening of Friday, Nov. 13, the Cosmopolitan Club and the sons of alumni in the Freshman Class were the dinner guests of Dean Zelotes W. Coombs at the Y. W. C. A. It has been the custom of Dean Coombs for many years to invite these groups to dinner on the occasion of the first meeting of the Club.

After the dinner, Dean Coombs gave a brief history of the Cosmo Club through the years of its existence on the Hill.

The members of the faculty present were Dean Coombs, Dr. Atwood, Dr. Schwiager, Professor Howe, Mr. Brinker, and Professor Swan. The sons of alumni of the Class of '40 present were Carl F. Fritch, Jr., D. G. Howard, Jr., H. B. Jenkins, H. F. Morse, R. G. Newton, D. L. Stevens, R. B. Stevens, A. T. Roys, and F. M. Harris.



HIS job is to look for trouble before it happens. He is one of many who inspect telephone apparatus regularly, even when nothing is wrong. His work is called "preventive maintenance."

This work is of the highest importance. It helps to prevent interruptions to the service; often forestalls costly repairs, or replacements; helps keep telephone service at highest efficiency.

To plan this work requires management with imaginative foresight and the ability to balance the many factors involved in the maintenance problem.

Tonight—call up someone in the old home town—after seven, when rates to most points are lowest.



BELL TELEPHONE SYSTEM

Sophs Outclass Freshmen 7-1 in Soccer Tilt

Interclass Game Show Sophs To Be Powerful Combine In Crushing Frosh

The Sophomores easily overcame their rivals the Freshmen 7-1 in soccer at Alumni Field on Saturday afternoon. As was expected the Freshmen were severely handicapped by the lack of experienced players although their two varsity men showed up very well. The Sophs on the other hand showed up very well and were able to keep the ball far down in the Freshmen territory.

The starting whistle had hardly blown when the Sophs made their first goal on a lucky break. Hollick playing at half back took the ball up to the middle of the field and then passed to his forwards in front of the goal. As the wind was with this kick it traveled in a beautiful arc right down at the goal. The goalie evidently misjudged the ball, thinking it would go over the goal, and let it sail through the right hand corner of the up-rights. Although the Sophs had the ball well down in the Freshmen territory for the remainder of the first quarter, they were unable to get the ball in the goal, as time after time off-sides were called when they had the ball in a scoring position. However, they made up for lost time in the second quarter when they made three goals, thus making the score at the half 4-0.

To start off the second half, McEwan who captained the Sophs substituted all the remaining men on the squad. Ljunggren, who was only playing center forward, started the scoring off in the last half of the game when he drove the ball into the goal on a pass from one of the wings. In the last quarter the Sophs followed up with two more goals by Stauffer and Humphrey, but several of the Freshmen also made a goal in the closing minutes of the game during which time they kept the ball down in the Sophs' territory.

Sophomores	Freshmen
ol, Lawrence	ol, Goldsmith
il, McEwan	il, Schermann
c, Pearson	c, Wingardner
ir, Arter	ir, Savaria
or, Carson	or, Brand
lhb, Kay	lhb, Fowler
chb, Burness	chb, Fraser
rhb, Hollick	rhb, Gundlock
lfb, Ljunggren	lfb, Mayer
rfb, Houser	rfb, Carnicelli
g, Lloyd	g, Coeber

Goals: McEwan, Hollick, Stauffer, Humphrey, Lawrence, Ljunggren Savaria.

Tau Beta Pi

(Continued from Page 1, Col. 5)

1892. Since that time, the association has grown rapidly and at the present time boasts a total of seventy chapters and a membership of 27,000, which is increasing at the rate of 1,500 a year. Outstanding men in all branches of engineering are members of this honorary fraternity.

The chapter at Worcester Tech was the twenty-fourth to be formed and was formally established on May 14, 1910. Approximately 525 graduates are members, and at the present time, fifteen members of the faculty belong to Tau Beta Pi. President Earle is an honorary member and incidentally was the first man to be made a member with distinction in the association. Seven undergraduates, all Seniors, form the present active chapter. Because of the great number of prominent engineers in the fraternity and the widespread membership and activity, election to Tau Beta Pi should be considered a great honor and privilege, and the members are to be congratulated for their success.

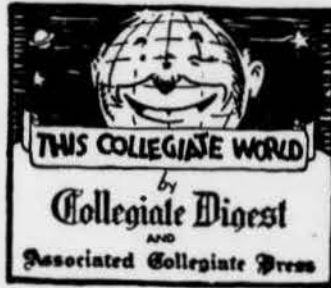
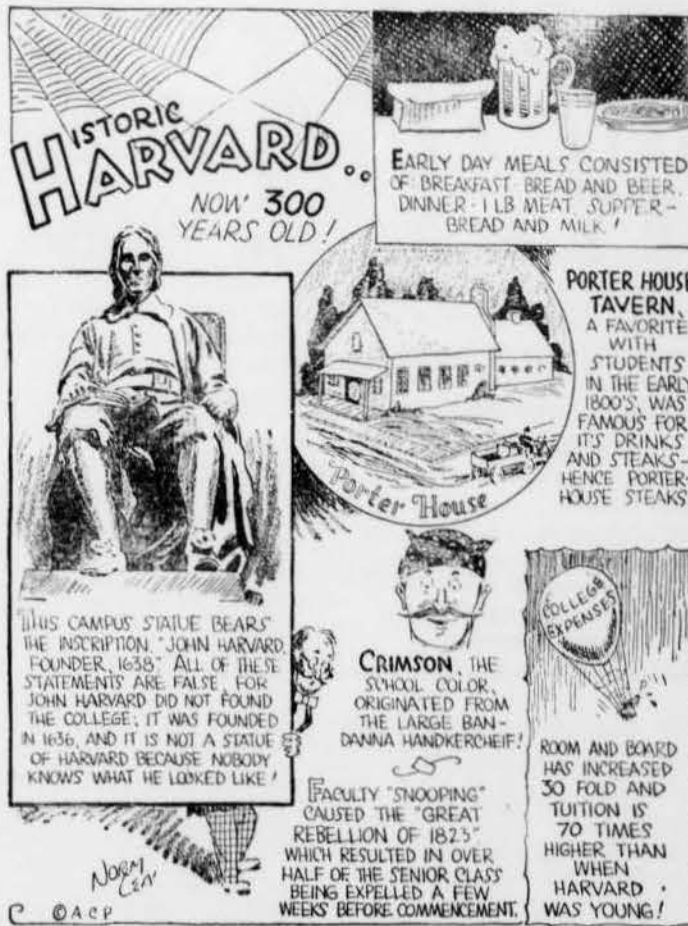
Swimming Team Begins Tryouts For New Season

Prospects For Successful Year Good as Veterans Report Back

Last Monday a good number of candidates answered Coach Grant's call for members for the varsity swimming team and, although there were several veterans from last year's club, the services of Harry Gray, captain and star dashman of a year ago, will be greatly missed. Bob Evans, who has done very well in the breaststroke event, will be in there again. Ed Hanson, the captain for this year, is to be available for the back-stroke again. The free-style races will have to be taken care of by sophomores, who are eligible for the first time this season. Jack Karna and B.H. Mullen are two of the most promising from the class of '39, who will, with Fred Wiley and Morrison Smith of the upper-classes, swim in the crawl stroke events. Paul Murphy, a junior, and Earl Crabtree, a sophomore, will be competing for the other berth in the breast-stroke. Dave Officer, a sophomore, appears to be going places in the back-stroke and will undoubtedly have a position on the team; at present the only man to take care of the dives is Hank Dearborn, who has done it in previous years also. Others out for the team are Sam Kaplan, "Swede" Swenson, and Bob Martin, all three being free-style men. The freshman candidates are to be called out November 16, and from the appearance of some that have been down already, there is good material for future varsities.

Intramural Relay To Start 2nd of December

Doc Carpenter has announced that inter-fraternity relay will get under way on the 2nd of December, the day after we come back from Thanksgiving vacation. The races will begin each afternoon at four-thirty with four teams running. Each man on the team runs about two hundred and twenty yards or three laps around the inside track. The competition this year will be very strong as the teams should be quite evenly matched. Phi Sigma Kappa, the winner last year, will meet with some very strong teams from Theta Upsilon Omega and Theta Chi.



Some of the unusual names of North western university students tend to be alcoholic.

There are a couple of Beers, a Booz, a Beerman, a Brewer, a Bender, and a Beck—not to mention six Steins. Some of the non-alcoholic names are: Pond Pool, Brook, Lake, and Rainwater.

Dr. Kennedy estimated that between 50 and 80 per cent of our population at present has ear trouble caused by mechanical noises. Noise, he stated, should be listed with gases, toxic liquids, fumes, dusts, bacteria, and chemical rays as a hazard in industrial plants.

Sudden noise, such as a whistle or an explosion, is especially injurious because it comes without warning and, therefore, places a greater strain on the nervous system, he explained.

"The first effect of noise is disturbance of excitation and irritation, which have consequences of many kinds in conduct. Physically they cause loss of temper and play a part in quarrels. In attempts to overcome the effect of noise, great strain is put on the nervous system." (Continued on Page 4, Col. 3)



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Fall Sports Review

(Continued from Page 1, Col. 1)

In the last game of the season Tech took Clark 3-2 for the final win of the year. The team played exceptionally good ball. Holt played in spite of his nose injury.

Next year soccer prospects are excellent because the team remains intact except for Walter Holt and with this years experience behind them the 1937 team should shape up into a winning outfit.

In Cross country, Tech was more

fortunate than last year, winning two and losing three. We outran Trinity 23-36 with Hector Cameron and Jimmy Patch placing 1 and 2 for Tech.

Boston University was the barrier: second victim. Tech nosed out B. U. 23-24. Zareh Martin and Harold Cox were the first Tech men to cross the finish line.

Hurt by the loss of Cameron, Patch and Strandberg, Tech lost the other three scheduled meets to Coast Guard Massachusetts State and Rensselaer Polytech.

Sophs Defeat Freshmen 15-6 On Gridiron

Flashy Teamwork of Sophs Hands Yearlings Decisive Loss in Annual Game

Contrary to the predictions of numerous Upperclassmen, the Sophomores gathered together more than enough men for a complete team, and, by capitalizing upon all of the breaks of the game and by concentrating the attack on the light Freshman line, subdued the Frosh with a 15-6 victory. The first score of the contest was made by Fine in the first quarter, and Rushton received a forward in the end-zone to double the score in the second. In the last half, however, the only Soph points were made by Korolyshun with a successful drop-kick, while the yearlings earned their only tally of the afternoon when Gustafson, running beyond the double stripe, snatched one of Forkey's forwards from the ether.

At the opening whistle, the Frosh kicked off and stopped the run-back almost immediately. After an exchange of punts with no advantage for either side, the Sophomores gained a first down but were forced to boot again in the next series. The punt was fumbled, however, in Freshman territory and, Folmsbee recovering for the second-year men, there followed a succession of nicely executed plays culminating in an off-tackle dive by Fine for the tally.

In the first minutes of the second quarter, Korolyshun attempted an unsuccessful drop-kick and the ball went on downs to the Frosh, who made eight yards on two plays but finally returned possession to the Sophs with a 60-yard punt by Forkey. The ball once again changed hands but this time when Forkey tried to kick, he fumbled and '39 recovered. Korolyshun drove to the Frosh 25 on two off-tackle stabs and a completed aerial, Korolyshun to Rushton, brought the score to 12-0. The yearlings were unable to advance in the remaining moments of the half.

Early in the second half, Bodreau recovered a fumble deep in Soph territory and the Frosh capitalized on the break when Gustafson grabbed one of Forkey's forwards from the very arms of the '39 defense. On the kick-off the second-year men opened up with a diverse selection of razzle-dazzle plays but were unable to score during the quarter. In the final session, the Sophs were on the verge of another tally when Forkey intercepted a forward and was prevented from scoring only by a lucky tackle in mid-field. The ball exchanged hands several times but, in spite of the many penalties for the Freshmen, the Sophs were unable to score again until the final play of the game, when Korolyshun aimed a neat drop-kick through the uprights for three points.

Summary:	
Sophomores-15	Freshmen-6
Raslavsky, le	re, Peters
Packard, lt	rt, Hotchkiss
Wilson, lg	rg, Francis
Stone, c	c, Freeman
Liberty, rg	lg, Bodreau
Chandler, rt	lt, Swift
Folmsbee, re	le, Ramaker
Korolyshun, qb	qb, Gustafson
Jackson, lhb	rhb, Lambert
Fine, rhb	lhb, Fritch
Rushton, fb	fb, Forkey
Touchdowns made by Fine, Rushton, and Gustafson.	
Field goal made by Korolyshun.	

Score by periods	1	2	3	4
Sophomores	6	6	0	3
Freshmen	0	0	6	0

Dorm Dances Continue To Be Popular on Hill

At the weekly Dorm Dance last Saturday night a large crowd of some 90 couples enjoyed the fine music of the Boyntonians. Tech is fortunate in having available the services of such an accomplished group of talent as they represent. The fact that they often play at functions throughout the state is proof of their prowess. It is gratifying to note that each week more and more men are realizing the opportunity afforded them and are taking advantage of it by attending themselves and also by inducing friends to attend.

It would be impossible to give with any accuracy a true picture of the couples "swinging" to the tempos of the orchestra. It is only to those who have attended these dances that the thrill of "the night and the music" is afforded.

Peddler Staff Puts Out Call For New Competes

Meeting in Dorm on Tuesday

On Tuesday, Nov. 17, at 4:00 P. M. in the Commons Room of Sanford Riley Hall, there will be a meeting of those freshmen and sophomores who wish to compete for positions on the Peddler staff. There are positions open on both the business and editorial departments of the year book so that those who believe that they have no editorial ability need not let that hinder them from coming out. During their freshman and sophomore years, the competitors help the staff with the book and when the elections are held in their junior years those who have been the most valuable are given positions as junior editors or assistant business managers.

This Collegiate World

(Continued from Page 3, Col. 4)

system, leading to neurasthenic and psychothemic states.

"Long before the emotions are disturbed, certain changes take place, such as heightened pulse rate, heightened blood pressure, and some irregularities in heart rhythm."

Contending that elimination of noise is as important as such problems as lighting, heating, and ventilation, Dr. Kennedy suggested that definite action should be taken to eliminate or at least minimize industrial noise. He claimed that, in the long run, the employers would find this a profitable procedure.

A shorter working day, rest pauses, and changes in posture are a few remedies helpful in reducing fatigue during the working period, Dr. Kennedy explained. He pointed out that the shortening of the working day "almost invariably results in an improvement in the rate of output."

Masque Will Hold Meeting To Discuss Plans For Play

On Thursday afternoon, November 19, at 4:00 P. M. in Room 28 of the Mechanical Engineering Building there will be a meeting of the Masque Association. All those who are interested in becoming members, either for part in the play which will be presented this year, or for positions on the business staff are invited to show at this meeting. Both freshmen and upperclassmen will be welcome.

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